

WHAT IS CLAIMED IS:

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1. Method of manufacturing an annular member made of a metal sheet having a peripheral wall comprising the steps of:
5 rotating a disc-shaped material made of a metal sheet,
pressing an outer periphery of the material in a radially inward direction, while rotating the material,
thickening the outer periphery axially by pressing it,
protruding the outer periphery to either side of a
10 non-processed portion of the material, and
10 forming a peripheral wall ⁴⁴ protruding to [the] either side
of the non-processed portion.
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2. Method of manufacturing an annular member made of a metal sheet having a peripheral wall according to claim 1, wherein, in an intermediate phase of the step of thickening the outer periphery of the material axially, a preliminary peripheral wall is formed so that the outer periphery may have an axial center portion which is more outwardly swelled than axial both
20 ends, so as to be arc-shaped.
3. Method of manufacturing an annular member made of a metal sheet having a peripheral wall according to claim 2, wherein, in advance of forming the preliminary peripheral wall, the outer periphery of the material is formed so that a sectional face
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thereof may have a substantially circular shape.

4. Method of manufacturing an annular member made of a metal sheet having a peripheral wall according to claim 1, further comprising the steps of:

— holding the non-processed portion of the material between a pair of dies,

rotating the material with the dies,

- pressing a forming surface of a forming roller against the outer periphery of the material, and

rotating the forming roller together with the material.

5. Method of manufacturing an annular member made of a metal sheet having a peripheral wall according to claim 4, wherein, in an intermediate phase of the step of thickening the outer periphery of the material axially, a preliminary peripheral wall is formed so that the outer periphery may have an axial center portion which is more outwardly swelled than axial both ends, so as to be arc-shaped.

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6. Method of manufacturing an annular member made of a metal sheet having a peripheral wall according to claim 5, wherein a finishing step of finishing the preliminary peripheral wall protruding to either side of the non-processed portion in a predetermined shape is included.

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